

Listing and Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A method for ~~an audio/video processing device to enable~~ enabling a security device to access a service, the method comprising:
extracting service and entitlement control message packet identifier pairs from data associated with said service and automatically identifying one of the extracted pairs according to a predefined convention,
wherein ~~each~~ a first one of the received pairs includes ~~either~~ a conditional access entitlement control message identifier (~~CA-ECM~~) or and a second one of the received pairs includes a local entitlement control message identifier (~~LECM~~).
2. (Original) The method according to claim 1, wherein the predefined convention is dependent upon an order in which the pairs are sent to the security device.
3. (Currently Amended) The method of Claim 1, wherein each of the received pairs is either associated with a conditional access (~~CA~~) system or extended conditional access (~~XCA~~) system.
4. (Currently Amended) A method for ~~an audio/video processing device to enable~~ enabling a security device to access a service, the method comprising:
extracting ~~the~~ service and entitlement control message packet identifier pairs from data associated with said service; and,
if only one service and entitlement control message packet identifier pair is extracted, identifying the extracted pair based on type information associated with the extracted packet identifier pair; and,
if more than one service and entitlement control message packet identifier pair are extracted, automatically identifying at least one of the extracted pairs according to a predefined convention,

wherein each a first one of the received pairs includes ~~either~~ a conditional access entitlement control message identifier (~~CA-ECM~~) ~~or~~ and a second one of the received pairs includes a local entitlement control message identifier (~~LECM~~).

5. (Currently Amended) The method of Claim 4, wherein the predefined convention is dependent upon an order in which the pairs are ~~extracted~~ sent to the security device.
6. Canceled.
7. (Original) The method of Claim 4, wherein each of the received pairs further includes a service identifier.
8. (Original) The method of Claim 4, wherein the predefined convention defines a first of the pairs to be received to include the service identifier and local entitlement control message identifier.
9. (Original) The method of Claim 4, wherein at least a portion of the data is secured using one of a plurality of conditional access systems.
10. (Original) The method of Claim 9, wherein at least one of the conditional access systems is associated with a broadcaster of the program and at least a second of the conditional access systems is associated with an access device, communicable with the presentation device.
11. (Original) The method of Claim 10, wherein the presentation device is a digital television, and the access device is a set-top box in combination with a second security device.

12. (Original) The method of Claim 4, further comprising:
the security device communicating interface protection related information and conditional access related information to the audio/video processing device;
and,
the audio/video processing device parsing a program map table using the communicated conditional access information and stored conditional access information;
wherein the program map table associates packet identifiers with corresponding service information.
13. (Original) The method of Claim 12, wherein the security device uses packet identifiers to identify which of the packets contains entitlement control message data suitable for descrambling the data indicative of the program.
14. (Currently Amended) The method of Claim 13, wherein at least some of said entitlement control messages are local entitlement control messages which include at least a field for identifying ~~and LECM~~ said local entitlement control message and a field for conditional access identification, and ~~said proper processing comprises~~ descrambling said service by accessing an appropriate key in said data using information included in at least one of said field for identifying ~~and LECM~~ said local entitlement control message and said field for conditional access identification.
15. (Original) The method according to claim 9, wherein at least one portion of the data is indicative of at least one program.
16. (Original) The method according to claim 4, wherein the data is communicated via a digital transmission system.

17. (Currently Amended) A method for identifying local entitlement control messages ~~from broadcast entitlement control messages~~ comprising the step of:

extracting service and entitlement control message packet identifier pairs from data associated with a service; and,

if only one service and entitlement control message packet identifier pair is extracted, identifying the extracted pair as either a local entitlement control message or a broadcast entitlement control message based on type information associated with the extracted packet identifier pair; and,

if more than one service and entitlement control message packet identifier pair are extracted, automatically identifying at least one of the extracted pairs as a local entitlement control message.

18. (Currently Amended) A method for identifying local entitlement control messages ~~from broadcast entitlement control messages~~ comprising the step of:

extracting service and entitlement control message packet identifier pairs from data associated with a service; and,

if only one service and entitlement control message packet identifier pair is extracted, identifying the extracted pair as either a local entitlement control message or a broadcast entitlement control message based on type information associated with the extracted packet identifier pair; and,

if more than one service and entitlement control message packet identifier pair are extracted, automatically identifying at least one of the extracted pairs as a broadcast entitlement control message.

19. (New) A method, comprising:

receiving a datastream including a service;

identifying, in the datastream, service and entitlement control message packet identifier pairs associated with said service, wherein one of the received pairs includes a conditional access entitlement control message identifier and a second one of the received pairs includes a local entitlement control message identifier;

determining whether a particular one of the identified service and entitlement control message packet identifier pairs is associated with one of a conditional access entitlement control message of a service provider and a local entitlement control message of a local network based on a predefined convention related to an ordering of the service and entitlement control message packet identifier pairs within the datastream;

acquiring data packets associated with the service and entitlement control messages in response to the packet identifier pairs;

determining a decryption key in response to the acquired data packets;

decrypting the data packets having service data in response to the decryption key.

20. (New) The method according to claim 19, wherein the local entitlement control message includes a rebundled scrambling key that is based on the scrambling key associated with the conditional access entitlement control message.